

**IN THE DRAWINGS**

Please enter the attached Replacement Sheet of figures.

**REMARKS**

Claims 1-20 were pending in this application.

Claims 1-5, 7-10, 12-17 and 20 were rejected.

Claims 6, 11, 18 and 19 were objected to.

Claims 6, 11 and 18 have been canceled.

Claims 1-3, 5, 7, 8, 10, 15, 17 and 19 have been amended.

New Claims 21-23 have been added.

Reconsideration of the claims is respectfully requested.

**I. AMENDMENTS TO THE DRAWINGS**

The Applicant has amended Figure 5 to correct inconsistencies with the Specification. Reference number 142 has been changed to 112 to indicate the sampling circuit as identified in page 17, lines 8-9, of the Specification. An inadvertently included inverter symbol has been removed from the gate of n-channel transistor 220. The Applicant respectfully submits that no new matter has been added with these changes and requests that the amended page be admitted for examination.

**II. AMENDMENTS TO THE SPECIFICATION**

The Applicant has amended two paragraphs of the Specification to correct informalities noted by the Applicant. The Applicant respectfully submits that no new matter has been added with these changes and requests that the amended paragraphs be admitted for examination.

### **III. OBJECTION TO THE SPECIFICATION**

In Section 1 of the May 5, 2005 Office Action, the Examiner objects to the disclosure because of the absence of a Summary of the Invention section.

The Applicant respectfully notes that 37 C.F.R. § 1.77(b) and MPEP § 608.01(a) do not require a Summary of the Invention section in the specification. Both references state that a specification “should” include such a section, but neither reference states that a specification “must” include a Summary of the Invention section.

As a result, the Applicant respectfully declines to add a Summary of the Invention section to the specification.

### **IV. ALLOWABLE SUBJECT MATTER**

In Section 5 of the May 5, 2005 Office Action, the Examiner objected to Claims 6, 11, 18 and 19 as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The Applicant gratefully acknowledges and agrees with the Examiner’s determination that the indicated claims contain allowable subject matter.

Please cancel Claims 6, 11 and 18 without prejudice. The Applicant has amended independent Claims 1, 8 and 15 to recite the limitations of canceled Claims 6, 11 and 18 that the Examiner indicated were not disclosed or suggested by the cited prior art. As such, the Applicant

respectfully submits that the rejections of Claims 1-5, 7-10, 12-17 and 20 are now moot and all claims are in condition for allowance.

**V. CONCLUSION**

For the reasons given above, the Applicant respectfully requests reconsideration and full allowance of all pending claims and that this application be passed to allowance. The Applicant denies any statement, position or averment of the Examiner that is not specifically addressed by the foregoing argument and response. The Applicant reserves the right to submit further arguments in support of the above stated positions as well as the right to introduce relevant secondary considerations including long-felt but unresolved needs in the industry, failed attempts by others to invent the invention, and the like, should that become necessary.

**SUMMARY**

If any issues arise, or if the Examiner has any suggestions for expediting allowance of this Application, the Applicant respectfully invites the Examiner to contact the undersigned at the telephone number indicated below or at *wmunck@davismunck.com*.

The Commissioner is hereby authorized to charge any additional fees connected with this communication or credit any overpayment to National Semiconductor Corporation Deposit Account No. 140448.

Respectfully submitted,

DAVIS MUNCK, P.C.

Date: \_\_\_\_\_

*Aug. 3, 2005*



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